WHAT WE CLAIM IS:

- A torque transmission device, comprising: an engine and a motor for generating driving torque; an output shaft outputting the driving torque:
- a planetary gear mechanism including a first rotating element rotating together with the engine, and a second rotating element connected to the motor, and a third rotating element connected to the motor;

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- a primary clutch selectively transmitting rotation of the second rotating element to the output shaft;
- a secondary clutch selectively transmitting rotation of the third rotating element to the output shaft;
- a primary brake selectively stopping the rotation of the third rotating element; and
- a secondary brake selectively stopping the rotation of the second rotating element.
- 2. A torque transmission device, according to claim 1, wherein the planetary gear mechanism is a double-pinion type planetary gear mechanism, the first rotating element corresponds to a sun gear, the second rotating element corresponds to a carrier, and the third rotating element corresponds to a ring gear.

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